Liberica JDK 17.0.16+12
Release Notes

Liberica JDK
17.0.16
July 16, 2025

bellsoft

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1. Version information

This document provides information about Liberica JDK 17.0.16 release.

The full version string for this update release is 17.0.16+12. The version number is 17.

Liberica JDK 17 is distributed as `.apk`, `.rpm`, `.zip`, `.deb`, `.pkg`, and `.tar.gz` packages. Please select the most appropriate for your purposes.

2. What's New

This release contains the following updates and new features.

Notable Changes

This is the list of the notable issues fixed in this release.

Issue ID	
JDK-8271419	Summary: Refactor test code for modifying CDS archive contents Description: The test code was modified to place the common operations on the archive file into one location so other tests can use them. The file was named CDSArchiveUtil.java.
JDK-8303770	Summary: Removed Baltimore CyberTrust Root Certificate After Expiry Date Description: The following expired root certificate has been removed from the `cacerts` keystore: alias name baltimorecybertrustca [jdk], Distinguished Name: CN=Baltimore CyberTrust Root, OU=CyberTrust, O=Baltimore, C=IE.
JDK-8309841	Summary: Jarsigner should print a warning if an entry is removed Description: If an entry is removed from a signed JAR file, there is no mechanism to detect that it has been removed using the `JarFile` API, since the `getJarEntry` method returns `null` as if the entry had never existed. With this change, the `jarsigner -verify` command analyzes the signature files and if some sections do not have matching file entries, it prints out the following warning: 'This JAR contains signed entries for files that do not exist'. Users can further find out the names of these entries by adding the `-verbose` option to the command.

Issue ID	
JDK-8350498	Summary: Removed Two Camerfirma Root Certificates Description: The following root certificates, which are terminated and no longer in use, have been removed from the `cacerts` keystore: alias name camerfirmachamberscommerceca [jdk], Distinguished Name: CN=Chambers of Commerce Root, OU=http://www.chambersign.org, O=AC Camerfirma SA CIF A82743287, C=EU; alias name camerfirmachambersignca [jdk], Distinguished Name: CN=Global Chambersign Root - 2008, O=AC Camerfirma S.A., SERIALNUMBER=A82743287, L=Madrid (see current address at www.camerfirma.com/address), C=EU.
JDK-8352716	Summary: Update Timezone Data to 2025b Description: The 2025b release of the tz code and data contains the following changes: New zone for Aysén Region in Chile which moves from -04/-03 to -03.
JDK-8359170	Summary: Added 4 New Root Certificates from Sectigo Limited Description: The following Sectigo Limited root certificates have been added to the cacerts truststore: sectigocodesignroote46, DN: CN=Sectigo Public Code Signing Root E46, O=Sectigo Limited, C=GB; sectigocodesignrootr46, DN: CN=Sectigo Public Code Signing Root R46, O=Sectigo Limited, C=GB; sectigotlsroote46, DN: CN=Sectigo Public Server Authentication Root E46, O=Sectigo Limited, C=GB; sectigotlsrootr46, DN: CN=Sectigo Public Server Authentication Root R46, O=Sectigo Limited, C=GB.

Builds of Liberica JDK With CRaC

This release of Liberica JDK includes full CRaC support. CRaC support is available for Liberica JDK 17 and 21. For more information, see Using CRaC with Java applications.

IANA TZ Data update

This release of Liberica JDK 17.0.16 upgrades the in-tree copy of the IANA timezone database to 2025b. The following are the key changes of this update:

Future Timestamps:

New Time Zone:

A new time zone, America/Coyhaique, is created for Chile's Aysén Region, which will now observe UTC−03 year-round (no daylight saving time).

- This diverges from America/Santiago starting March 20, 2025.
- Aysén will not change clocks on April 5, 2025.
- This aligns Aysén with Magallanes Region.

Past Timestamps:

Iran Time Change Correction:

Iran changed from UTC+04 to UTC+03:30 on November 10, 1978, not at the end of the year as previously recorded.

Code Fixes:

Improved behavior for the zic tool:

- It no longer creates invalid symlinks when using -l with multiple arguments.
- A buffer underflow issue is resolved.

For more information, see JDK-8352716.

3. Known Issues

This release does not contain any known issues.

4. Fixed CVEs

This is the list of the security issues fixed in this release. CVSS scores are provided using the CVSS version 3.1 scoring system.

CVE ID	CVSS score	Component	Module	Attack Vector	Complexity	Privileges	User Interaction	Scope	Confidentiality	Integrity	Availability
CVE-2025-24855	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-27113	7.5	javafx	web	network	high	none	required	unchanged	high	high	high
CVE-2025-30749	8.1	client-libs	2d	network	high	none	none	unchanged	high	high	high
CVE-2025-30754	4.8	security-libs	javax.net.ssl	network	high	none	none	unchanged	low	low	none
CVE-2025-50059	8.6	core-libs	java.net	network	low	none	none	changed	high	none	none
CVE-2025-50106	8.1	client-libs	2d	network	high	none	none	unchanged	high	high	high

5. Resolved Issues

JDK issues

This is the list of general JDK issues fixed in this release.

Issue ID	Summary
JDK-4850101	Setting mnemonic to VK_F4 underlines the letter S in a button.
JDK-5074006	Swing JOptionPane shows </html> tag as a string after newline
JDK-6956385	URLConnection.getLastModified() leaks file handles for jar:file and file: URLs
JDK-8024624	[TEST_BUG] [macosx] CTRL+RIGHT(LEFT) doesn't move selection on next cell in JTable on Aqua L&F
JDK-8042134	JOptionPane bungles HTML messages
JDK-8051591	Test javax/swing/JTabbedPane/8007563/Test8007563.java fails
JDK-8077371	Binary files in JAXP test should be removed
JDK-8183348	Better cleanup for jdk/test/sun/security/pkcs12/P12SecretKey.java

Issue ID	Summary
JDK-8196465	javax/swing/JComboBox/8182031/ComboPopupTest.java fails on Linux
JDK-8202100	Merge vm/share/InMemoryJavaCompiler w/ jdk/test/lib/compiler/InMemoryJavaCompiler
JDK-8211400	nsk.share.gc.Memory::getArrayLength returns wrong value
JDK-8218474	JComboBox display issue with GTKLookAndFeel
JDK-8224267	JOptionPane message string with 5000+ newlines produces StackOverflowError
JDK-8249831	Test sun/security/mscapi/nonUniqueAliases/NonUniqueAliases.java is marked with @ignore
JDK-8251505	Use of types in compiler shared code should be consistent.
JDK-8253440	serviceability/sa/TestJhsdbJstackLineNumbers.java failed with "Didn’t find enough line numbers"
JDK-8254786	java/net/httpclient/CancelRequestTest.java failing intermittently
JDK-8256211	assert fired in java/net/httpclient/DependentPromiseActionsTest (infrequent)

Issue ID	Summary
JDK-8258483	[TESTBUG] gtest CollectorPolicy.young_scaled_initial_ergo_vm fails if heap is too small
JDK-8269516	AArch64: Assembler cleanups
JDK-8271419	Refactor test code for modifying CDS archive contents
JDK-8276995	Bug in jdk.jfr.event.gc.collection.TestSystemGC
JDK-8277983	Remove unused fields from sun.net.www.protocol.jar.JarURLConnection
JDK-8279884	Use better file for cygwin source permission check
JDK-8279894	javax/swing/JInternalFrame/8020708/bug8020708.java timeouts on Windows 11
JDK-8280468	Crashes in getConfigColormap, getConfigVisualId, XVisualIDFromVisual on Linux
JDK-8280820	Clean up bug8033699 and bug8075609.java tests: regtesthelpers aren’t used
JDK-8280991	[XWayland] No displayChanged event after setDisplayMode call
JDK-8281511	java/net/ipv6tests/UdpTest.java fails with checkTime failed

Issue ID	Summary
JDK-8282863	java/awt/FullScreen/FullscreenWindowProps/FullscreenWindowProps.java fails on Windows 10 with HiDPI screen
JDK-8286204	[Accessibility,macOS,VoiceOver] VoiceOver reads the spinner value 10 as 1 when user iterates to 10 for the first time on macOS
JDK-8286789	Test forceEarlyReturn002.java timed out
JDK-8286875	ProgrammableUpcallHandler::on_entry/on_exit access thread fields from native
JDK-8286925	Move JSON parser used in JFR tests to test library
JDK-8287352	DockerTestUtils::execute shows incorrect elapsed time
JDK-8287801	Fix test-bugs related to stress flags
JDK-8288707	javax/swing/JToolBar/4529206/bug4529206.java: setFloating does not work correctly
JDK-8290162	Reset recursion counter missed in fix of JDK-8224267
JDK-8292064	Convert java/lang/management/MemoryMXBean shell tests to java version
JDK-8293503	gc/metaspace/TestMetaspacePerfCounters.java#Epsilon-64 failed assertGreaterThanOrEqual: expected MMM >= NNN

Issue ID	Summary
JDK-8294038	Remove "Classpath" exception from javax/swing tests
JDK-8294155	Exception thrown before awaitAndCheck hangs PassFailJFrame
JDK-8295470	Update openjdk.java.net ⇒ openjdk.org URLs in test code
JDK-8295670	Remove duplication in java/util/Formatter/Basic*.java
JDK-8295804	javax/swing/JFileChooser/JFileChooserSetLocationTest.java failed with "setLocation() is not working properly"
JDK-8296072	CertAttrSet::encode and DerEncoder::derEncode should write into DerOutputStream
JDK-8296167	test/langtools/tools/jdeps/jdkinternals/ShowReplacement.java failing after JDK-8296072
JDK-8296920	Regression Test DialogOrient.java fails on MacOS
JDK-8297173	usageTicks and totalTicks should be volatile to ensure that different threads get the latest ticks
JDK-8297242	Use-after-free during library unloading on Linux

Issue ID	Summary
JDK-8298061	vmTestbase/nsk/sysdict/vm/stress/btree/btree012/btree012.java failed with "fatal error: refcount has gone to zero"
JDK-8298147	Clang warns about pointless comparisons
JDK-8298248	Limit sscanf output width in cgroup file parsers
JDK-8298709	Fix typos in src/java.desktop/ and various test classes of client component
JDK-8298730	Refactor subsystem_file_line_contents and add docs and tests
JDK-8300645	Handle julong values in logging of GET_CONTAINER_INFO macros
JDK-8300658	memory_and_swap_limit() reporting wrong values on systems with swapaccount=0
JDK-8302226	failure_handler native.core should wait for coredump to finish
JDK-8303549	[AIX] TestNativeStack.java is failing with exit value 1
JDK-8303770	Remove Baltimore root certificate expiring in May 2025
JDK-8305010	Test vmTestbase/nsk/jvmti/scenarios/sampling/SP05/sp05t003/TestDescription.java timed out: thread not suspended

Issue ID	Summary
JDK-8305578	X11GraphicsDevice.pGetBounds() is slow in remote X11 sessions
JDK-8306997	C2: "malformed control flow" assert due to missing safepoint on backedge with a switch
JDK-8307318	Test serviceability/sa/ClhsdbCDSJstackPrintAll.java failed: ArrayIndexOutOfBoundsException
JDK-8308875	java/awt/Toolkit/GetScreenInsetsCustomGC/GetScreenInsetsCustomGC.java failed with 'Cannot invoke "sun.awt.X11GraphicsDevice.getInsets()" because "device" is null'
JDK-8309841	Jarsigner should print a warning if an entry is removed
JDK-8310525	DynamicLauncher for JDP test needs to try harder to find a free port
JDK-8312246	NPE when HSDB visits bad oop
JDK-8314120	Add tests for FileDescriptor.sync
JDK-8314236	Overflow in Collections.rotate
JDK-8314246	javax/swing/JToolBar/4529206/bug4529206.java fails intermittently on Linux
JDK-8314320	Mark runtime/CommandLine/ tests as flagless
JDK-8314828	Mark 3 jcmd command-line options test as vm.flagless

Issue ID	Summary
JDK-8315484	java/awt/dnd/RejectDragDropActionTest.java timed out
JDK-8315669	Open source several Swing PopupMenu related tests
JDK-8315721	CloseRace.java#id0 fails transiently on libgraal
JDK-8315742	Open source several Swing Scroll related tests
JDK-8315871	Opensource five more Swing regression tests
JDK-8315876	Open source several Swing CSS related tests
JDK-8315951	Open source several Swing HTMLEditorKit related tests
JDK-8315981	Opensource five more random Swing tests
JDK-8316061	Open source several Swing RootPane and Slider related tests
JDK-8316156	ByteArrayInputStream.transferTo causes MaxDirectMemorySize overflow
JDK-8316228	jcmd tests are broken by 8314828
JDK-8316324	Opensource five miscellaneous Swing tests
JDK-8316388	Opensource five Swing component related regression tests
JDK-8316451	6 java/lang/instrument/PremainClass tests ignore VM flags

Issue ID	Summary
JDK-8316452	java/lang/instrument/modules/AppendToClassPathModuleTest.java ignores VM flags
JDK-8316460	4 javax/management tests ignore VM flags
JDK-8316497	ColorConvertOp - typo for non-ICC conversions needs one-line fix
JDK-8316629	j.text.DateFormatSymbols setZoneStrings() exception is unhelpful
JDK-8318700	MacOS Zero cannot run gtests due to wrong JVM path
JDK-8318915	Enhance checks in BigDecimal.toPlainString()
JDK-8318962	Update ProcessTools javadoc with suggestions in 8315097
JDK-8319572	Test jdk/incubator/vector/LoadJsvmlTest.java ignores VM flags
JDK-8319578	Few java/lang/instrument ignore test.java.opts and accept test.vm.opts only
JDK-8319690	[AArch64] C2 compilation hits offset_ok_for_immed: assert "c2 compiler bug"
JDK-8320682	[AArch64] C1 compilation fails with "Field too big for insn"
JDK-8320687	sun.jvmstat.monitor.MonitoredHost.getMonitoredHost() throws unexpected exceptions when invoked concurrently

Issue ID	Summary
JDK-8320687	sun.jvmstat.monitor.MonitoredHost.getMonitoredHost() throws unexpected exceptions when invoked concurrently
JDK-8321204	C2: assert(false) failed: node should be in igvn hash table
JDK-8321479	java -D-D crashes
JDK-8321509	False positive in get_trampoline fast path causes crash
JDK-8321713	Harmonize executeTestJvm with create[Limited]TestJavaProcessBuilder
JDK-8321718	ProcessTools.executeProcess calls waitFor before logging
JDK-8321931	memory_swap_current_in_bytes reports 0 as "unlimited"
JDK-8325435	[macos] Menu or JPopupMenu not closed when main window is resized
JDK-8325680	Uninitialised memory in deleteGSSCB of GSSLibStub.c:179
JDK-8325682	Rename nsk_strace.h
JDK-8326389	[test] improve assertEquals failure output
JDK-8328301	Convert Applet test ManualHTMLDataFlavorTest.java to main program

Issue ID	Summary
JDK-8328482	Convert and Open source few manual applet test to main based
JDK-8328484	Convert and Opensource few JFileChooser applet test to main
JDK-8328648	Remove applet usage from JFileChooser tests bug4150029
JDK-8328670	Automate and open source few closed manual applet test
JDK-8328673	Convert closed text/html/CSS manual applet test to main
JDK-8329261	G1: interpreter post-barrier x86 code asserts index size of wrong buffer
JDK-8330534	Update nsk/jdwp tests to use driver instead of othervm
JDK-8330598	java/net/httpclient/Http1ChunkedTest.java fails with java.util.MissingFormatArgumentException: Format specifier '%s'
JDK-8331735	UpcallLinker::on_exit races with GC when copying frame anchor
JDK-8333117	Remove support of remote and manual debuggee launchers
JDK-8333680	com/sun/tools/attach/BasicTests.java fails with "SocketException: Permission denied: connect"

Issue ID	Summary
JDK-8334560	[PPC64]: postalloc_expand_java_dynamic_call_sched does not copy all fields
JDK-8334644	Automate javax/print/attribute/PageRangesException.java
JDK-8334780	Crash: assert(h_array_list.not_null()) failed: invariant
JDK-8334895	OpenJDK fails to configure on linux aarch64 when CDS is disabled after JDK-8331942
JDK-8335662	[AArch64] C1: guarantee(val < (1ULL << nbits)) failed: Field too big for insn
JDK-8335684	Test ThreadCpuTime.java should pause like ThreadCpuTimeArray.java
JDK-8335836	serviceability/jvmti/StartPhase/AllowedFunctions/AllowedFunctions.java fails with unexpected exit code: 112
JDK-8336587	failure_handler lldb command times out on macosx-aarch64 core file
JDK-8337221	CompileFramework: test library to conveniently compile java and jasm sources for fuzzing
JDK-8337299	vmTestbase/nsk/jdb/stop_at/stop_at002/stop_at002.java failure goes undetected
JDK-8338154	Fix -Wzero-as-null-pointer-constant warnings in gtest framework

Issue ID	Summary
JDK-8339148	Make os::Linux::active_processor_count() public
JDK-8339300	CollectorPolicy.young_scaled_initial_ergo_vm gtest fails on ppc64 based platforms
JDK-8339639	Opensource few AWT PopupMenu tests
JDK-8339678	Update runtime/condy tests to be executed with VM flags
JDK-8339727	Open source several AWT focus tests - series 1
JDK-8339794	Open source closed choice tests #1
JDK-8339810	Clean up the code in sun.tools.jar.Main to properly close resources and use ZipFile during extract
JDK-8339836	Open source several AWT Mouse tests - Batch 1
JDK-8339842	Open source several AWT focus tests - series 2
JDK-8339895	Open source several AWT focus tests - series 3
JDK-8339906	Open source several AWT focus tests - series 4
JDK-8339935	Open source several AWT focus tests - series 5
JDK-8339982	Open source several AWT Mouse tests - Batch 2
JDK-8339984	Open source AWT MenuItem related tests

Issue ID	Summary
JDK-8339995	Open source several AWT focus tests - series 6
JDK-8340077	Open source few Checkbox tests - Set2
JDK-8340084	Open source AWT Frame related tests
JDK-8340143	Open source several Java2D rendering loop tests.
JDK-8340164	Open source few Component tests - Set1
JDK-8340173	Open source some Component/Panel/EventQueue tests - Set2
JDK-8340176	Replace usage of -noclassgc with -Xnoclassgc in test/jdk/java/lang/management/MemoryMXBean/LowMemoryTest2.java
JDK-8340193	Open source several AWT Dialog tests - Batch 1
JDK-8340228	Open source couple more miscellaneous AWT tests
JDK-8340271	Open source several AWT Robot tests
JDK-8340279	Open source several AWT Dialog tests - Batch 2
JDK-8340332	Open source mixed AWT tests - Set3
JDK-8340366	Open source several AWT Dialog tests - Batch 3

Issue ID	Summary
JDK-8340367	Opensource few AWT image tests
JDK-8340393	Open source closed choice tests #2
JDK-8340407	Open source a few more Component related tests
JDK-8340417	Open source some MenuBar tests - Set1
JDK-8340432	Open source some MenuBar tests - Set2
JDK-8340433	Open source closed choice tests #3
JDK-8340437	Open source few more AWT Frame related tests
JDK-8340458	Open source additional Component tests (part 2)
JDK-8340555	Open source DnD tests - Set4
JDK-8340560	Open Source several AWT/2D font and rendering tests
JDK-8340605	Open source several AWT PopupMenu tests
JDK-8340621	Open source several AWT List tests
JDK-8340625	Open source additional Component tests (part 3)
JDK-8340639	Open source few more AWT List tests
JDK-8340713	Open source DnD tests - Set5

Issue ID	Summary
JDK-8340784	Remove PassFailJFrame constructor with screenshots
JDK-8340790	Open source several AWT Dialog tests - Batch 4
JDK-8340809	Open source few more AWT PopupMenu tests
JDK-8340874	Open source some of the AWT Geometry/Button tests
JDK-8340907	Open source closed frame tests # 2
JDK-8340966	Open source few Checkbox and Cursor tests - Set1
JDK-8340967	Open source few Cursor tests - Set2
JDK-8340978	Open source few DnD tests - Set6
JDK-8340985	Open source some Desktop related tests
JDK-8341000	Open source some of the AWT Window tests
JDK-8341004	Open source AWT FileDialog related tests
JDK-8341072	Open source several AWT Canvas and Rectangle related tests
JDK-8341128	open source some 2d graphics tests
JDK-8341148	Open source several Choice related tests
JDK-8341162	Open source some of the AWT window test

Issue ID	Summary
JDK-8341170	Open source several Choice related tests (part 2)
JDK-8341177	Opensource few List and a Window test
JDK-8341191	Open source few more AWT FileDialog tests
JDK-8341239	Open source closed frame tests # 3
JDK-8341257	Open source few DND tests - Set1
JDK-8341258	Open source few various AWT tests - Set1
JDK-8341278	Open source few TrayIcon tests - Set7
JDK-8341298	Open source more AWT window tests
JDK-8341373	Open source closed frame tests # 4
JDK-8341378	Open source few TrayIcon tests - Set8
JDK-8341447	Open source closed frame tests # 5
JDK-8341535	sun/awt/font/TestDevTransform.java fails with RuntimeException: Different rendering
JDK-8341637	java/net/Socket/UdpSocket.java fails with "java.net.BindException: Address already in use" (macos-aarch64)
JDK-8341972	java/awt/dnd/DnDRemoveFocusOwnerCrashTest.java timed out after JDK-8341257

Issue ID	Summary
JDK-8342376	More reliable OOM handling in ExceptionDuringDumpAtObjectsInitPhase test
JDK-8342524	Use latch in AbstractButton/bug6298940.java instead of delay
JDK-8342633	javax/management/security/HashedPasswordFileTest.java creates tmp file in src dir
JDK-8343037	Missing @since tag on JColorChooser.showDialog overload
JDK-8343103	Enable debug logging for vmTestbase/nsk/jvmti/scenarios/sampling/SP05/sp05t003/TestDescription.java
JDK-8343124	Tests fails with java.lang.IllegalAccessException: class com.sun.javatest.regtest.agent.MainWrapper$MainTask cannot access
JDK-8343170	java/awt/Cursor/JPanelCursorTest/JPanelCursorTest.java does not show the default cursor
JDK-8343205	CompileBroker::possibly_add_compiler_threads excessively polls available memory
JDK-8343529	serviceability/sa/ClhsdbWhere.java fails AssertionFailure: Corrupted constant pool
JDK-8343891	Test javax/swing/JTabbedPane/TestJTabbedPaneBackgroundColor.java failed

Issue ID	Summary
JDK-8343936	Adjust timeout in test javax/management/monitor/DerivedGaugeMonitorTest.java
JDK-8344316	security/auth/callback/TextCallbackHandler/Password.java make runnable with JTReg and add the UI
JDK-8344361	Restore null return for invalid services from legacy providers
JDK-8345133	Test sun/security/tools/jarsigner/TsacertOptionTest.java failed: Warning found in stdout
JDK-8345134	Test sun/security/tools/jarsigner/ConciseJarsigner.java failed: unable to find valid certification path to requested target
JDK-8345357	test/jdk/javax/swing/JRadioButton/8033699/bug8033699.java fails in ubuntu22.04
JDK-8345447	test/jdk/javax/swing/JToolBar/4529206/bug4529206.java fails in ubuntu22.04
JDK-8345547	test/jdk/javax/swing/text/DefaultEditorKit/4278839/bug4278839.java fails in ubuntu22.04
JDK-8345598	Upgrade NSS binaries for interop tests
JDK-8345625	Better HTTP connections

Issue ID	Summary
JDK-8345728	[Accessibility,macOS,Screen Magnifier]: JCheckbox unchecked state does not magnify but works for checked state
JDK-8345838	Remove the appcds/javaldr/AnonVmClassesDuringDump.java test
JDK-8346049	jdk/test/lib/security/timestamp/TsaServer.java warnings
JDK-8346581	JRadioButton/ButtonGroupFocusTest.java fails in CI on Linux
JDK-8347000	Bug in com/sun/net/httpserver/bugs/B6361557.java test
JDK-8347019	Test javax/swing/JRadioButton/8033699/bug8033699.java still fails: Focus is not on Radio Button Single as Expected
JDK-8347083	Incomplete logging in nsk/jvmti/ResourceExhausted/resexhausted00* tests
JDK-8347126	gc/stress/TestStressG1Uncommit.java gets OOM-killed
JDK-8347267	[macOS]: UnixOperatingSystem.c:67:40: runtime error: division by zero
JDK-8347286	(fs) Remove some extensions from java/nio/file/Files/probeContentType/Basic.java

Issue ID	Summary
JDK-8347576	Error output in libjsound has non matching format strings
JDK-8347629	Test FailOverDirectExecutionControlTest.java fails with -Xcomp
JDK-8347911	Limit the length of inflated text chunks
JDK-8347995	Race condition in jdk/java/net/httpclient/offline/FixedResponseHttpClient.java
JDK-8348107	test/jdk/java/net/httpclient/HttpsTunnelAuthTest.java fails intermittently
JDK-8348110	Update LCMS to 2.17
JDK-8348299	Update List/ItemEventTest/ItemEventTest.java
JDK-8348596	Update FreeType to 2.13.3
JDK-8348597	Update HarfBuzz to 10.4.0
JDK-8348598	Update Libpng to 1.6.47
JDK-8348600	Update PipeWire to 1.3.81
JDK-8348865	JButton/bug4796987.java never runs because Windows XP is unavailable
JDK-8348936	[Accessibility,macOS,VoiceOver] VoiceOver doesn’t announce untick on toggling the checkbox with "space" key on macOS

Issue ID	Summary
JDK-8348989	Better Glyph drawing
JDK-8349039	Adjust exception No type named <ThreadType> in database
JDK-8349111	Enhance Swing supports
JDK-8349200	[JMH] time.format.ZonedDateTimeFormatterBenchmark fails
JDK-8349348	Refactor ClassLoaderDeadlock.sh and Deadlock.sh to run fully in java
JDK-8349492	Update sun/security/pkcs12/KeytoolOpensslInteropTest.java to use a recent Openssl version
JDK-8349501	Relocate supporting classes in security/testlibrary to test/lib/jdk tree
JDK-8349594	Enhance TLS protocol support
JDK-8349751	AIX build failure after upgrade pipewire to 1.3.81
JDK-8349974	[JMH,17u] MaskQueryOperationsBenchmark fails java.lang.NoClassDefFoundError
JDK-8350211	CTW: Attempt to preload all classes in constant pool

Issue ID	Summary
JDK-8350224	Test javax/swing/JComboBox/TestComboBoxComponentRendering.java fails in ubuntu 23.x and later
JDK-8350260	Improve HTML instruction formatting in PassFailJFrame
JDK-8350383	Test: add more test case for string compare (UL case)
JDK-8350386	Test TestCodeCacheFull.java fails with option -XX:-UseCodeCacheFlushing
JDK-8350412	[21u] AArch64: Ambiguous frame layout leads to incorrect traces in JFR
JDK-8350498	Remove two Camerfirma root CA certificates
JDK-8350540	[17u,11u] B8312065.java fails Network is unreachable
JDK-8350546	Several java/net/InetAddress tests fails UnknownHostException
JDK-8350616	Skip ValidateHazardPtrsClosure in non-debug builds
JDK-8350651	Bump update version for OpenJDK: jdk-17.0.16
JDK-8350924	javax/swing/JMenu/4213634/bug4213634.java fails
JDK-8350991	Improve HTTP client header handling

Issue ID	Summary
JDK-8351086	(fc) Make java/nio/channels/FileChannel/BlockDeviceSize.java test manual
JDK-8352076	[21u] Problem list tests that fail in 21 and would be fixed by 8309622
JDK-8352109	java/awt/Desktop/MailTest.java fails in platforms where Action.MAIL is not supported
JDK-8352302	Test sun/security/tools/jarsigner/TimestampCheck.java is failing
JDK-8352649	[17u] guarantee(is_result_safe || is_in_asgct()) failed inside AsyncGetCallTrace
JDK-8352676	Opensource JMenu tests - series1
JDK-8352680	Opensource few misc swing tests
JDK-8352684	Opensource JInternalFrame tests - series1
JDK-8352706	httpclient HeadTest does not run on HTTP2
JDK-8352716	(tz) Update Timezone Data to 2025b
JDK-8352908	Open source several swing tests batch1
JDK-8352942	jdk/jfr/startupargs/TestMemoryOptions.java fails with 32-bit build
JDK-8353070	Clean up and open source couple AWT Graphics related tests (Part 1)

Issue ID	Summary
JDK-8353138	Screen capture for test TaskbarPositionTest.java, failure case
JDK-8353320	Open source more Swing text tests
JDK-8353446	Open source several AWT Menu tests - Batch 2
JDK-8353475	Open source two Swing DefaultCaret tests
JDK-8353685	Open some JComboBox bugs 4
JDK-8353709	Debug symbols bundle should contain full debug files when building --with-external -symbols-in-bundles=public
JDK-8353714	[17u] Backport of 8347740 incomplete
JDK-8353942	Open source Swing Tests - Set 5
JDK-8354554	Open source several clipboard tests batch1
JDK-8355914	[17u] Backout backport of JDK-8320687
JDK-8356053	Test java/awt/Toolkit/Headless/HeadlessToolkit.java fails by timeout
JDK-8356096	ISO 4217 Amendment 179 Update
JDK-8356571	Re-enable -Wtype-limits for GCC in LCMS

Issue ID	Summary
JDK-8357105	C2: compilation fails with "assert(false) failed: empty program detected during loop optimization"
JDK-8357193	[VS 2022 17.14] Warning C5287 in debugInit.c: enum type mismatch during build
JDK-8359170	Add 2 TLS and 2 CS Sectigo roots
JDK-8360147	Better Glyph drawing redux

JFX issues

This is the list of JFX issues fixed in this release.

Issue ID	Summary
JDK-8352162	Update libxml2 to 2.13.8
JDK-8352164	Update libxslt to 1.1.43
JDK-8354876	Update SQLite to 3.49.1
JDK-8354940	Fail to sign in to Microsoft sites with WebView
JDK-8355641	Change JavaFX release version to 17.0.16 in jfx17u

6. Updates to Third Party Libraries

This is the list of changes in the third party libraries.

Library	Full name	New Version	Module	JBS number
FreeType	FreeType	2.13.3	java.desktop	8348596
HarfBuzz	HarfBuzz	10.4.0	java.desktop	8348597
LCMS	LittleCMS	2.17	java.desktop	8348110
Libpng	Libpng	1.6.47	java.desktop	8348598
libxml2	libxml2	2.13.8	javafx.web	8352162
libxslt	libxslt	1.1.43	javafx.web	8352164
PipeWire	PipeWire	1.3.81	java.desktop	8348600
SQLite	SQLite	3.49.1	javafx.web	8354876

7. Upgrading to the New Version

To keep your Liberica JDK up-to-date and secure, always upgrade to the newest available version once it is released. To upgrade, install the new version over the previous one. For the installation instructions, see Liberica JDK Installation Guide.

Liberica JDK 17.0.16+12

Release Notes

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